

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-328390

(43)Date of publication of application : 19.12.1995

(51)Int.Cl.

B01D 61/02
 A61K 38/17
 A61K 38/00
 B01D 61/14
 C08H 1/06
 // A61K 7/00
 A61K 7/06
 A61K 7/48
 A61K 35/36

(21)Application number : 06-122875

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(22)Date of filing : 03.06.1994

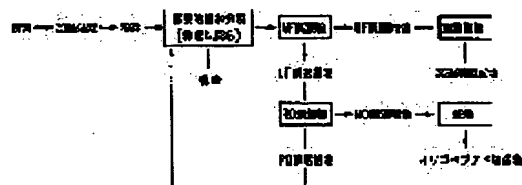
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(54) ENZYMATIC DECOMPOSITION TREATMENT OF UNGULA/HORN OF ANIMAL

(57)Abstract:

PURPOSE: To obtain an oligopeptide fraction having a predetermined mol.wt. and usable for a desired purpose such as a foaming agent by successively treating an enzyme decomposition product of ungula/horns using a UF membrane and an RO membrane and to recycle RO membrane transmitted matter to enzyme reaction to use the same.

CONSTITUTION: An enzyme decomposition product can be treated in a closed system generating no environmental pollution. The enzyme decomposition product is successively treated using a UF membrane and an RO membrane to obtain an oligopeptide fraction divided into desired molecular fractions. This fraction can be used as a foaming compsn. or a cosmetics material. Since Fe²⁺ is used in the production of the foaming compsn., the foaming compsn. excellent in foamability and the holding power of an air bubble is obtained. The oligopeptide compsn. with a low mol.wt. transmitted through the RO membrane has a light color and can be used as a cosmetics material as it is. RO membrane transmitted matter is recycled to enzyme reaction to be reutilized and the enzyme decomposition product is effectively treated without bringing about environmental pollution.



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[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision
of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

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